<u>PATENT</u>

Appl. No. 10/623,479 Amdt. dated June 13, 2006 Reply to Office Action of December 13, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1	1. (Currently Amended) A system for loading configuration data into a						
2	programmable device, the system comprising:						
3	a configuration word register comprising a plurality of configuration blocks;						
4	a plurality of configuration inputs selectively coupled with each of the plurality of						
5	configuration blocks and adapted to communicate configuration data; and						
6	a plurality of command inputs adapted to independently enable loading of at least						
7	one of the plurality of configuration blocks, wherein the plurality of configuration blocks are						
8	adapted to simultaneously load configuration data via the plurality of configuration inputs in						
9	response to the plurality of command inputs.						
1	2. (Original) The system of claim 1, wherein each of the plurality of						
2	configuration blocks is coupled with one of the plurality of command inputs.						
1	3. (Original) The system of claim 1, wherein at least one configuration						
1	block comprises a plurality of bits equal in number to the number of configuration inputs.						
2	block comprises a plurality of this equal in manifest to the name of the second						
1	4. (Original) The system of claim 3, wherein at least one configuration						
2	block comprises one or more bits, such that the total number of bits is less than the number of						
3	configuration inputs.						

1	5. (Original) The system of claim 1, further comprising:					
2	a configuration memory having a plurality of memory locations and coupled with					
3	the configuration word register, wherein the configuration memory is adapted to load					
4	configuration data from the configuration word register.					
1	6. (Original) The system of claim 1, further comprising:					
2	a configuration mode input; and					
3	a configuration controller coupled with the configuration mode input, wherein, in					
4	response to a first state of the configuration mode input, the configuration controller is adapted to					
5	enable the plurality of configuration blocks to simultaneously load configuration data via the					
6	plurality of configuration inputs in response to the plurality of command inputs, and, in response					
7	to a second state of the configuration mode input, the configuration controller is adapted to					
8	enable loading of configuration data into the configuration word register via an alternate					
9	coupling with configuration data.					
9						
1	7. (Original) The system of claim 6, wherein the alternate coupling with					
2	configuration data is via the plurality of configuration inputs.					
	8. (Original) The system of claim 6, wherein the alternate coupling with					
1	• •					
2	configuration data is via the plurality of command inputs.					
1	9. (Original) The system of claim 6, wherein the alternate coupling with					
2	configuration data is adapted to simultaneously load a one bit of configuration data into each of					
3	the configuration blocks.					
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1	 (Original) A method for loading configuration data for a configuration 					
2	word comprised of a plurality of configuration blocks into a programmable device, the method					
3	comprising:					
4	receiving a command word via a plurality of command inputs designating a first					
5	subset of the plurality of configuration blocks;					
6	receiving a data word comprising a portion of the configuration data for					
7	configuration word via a plurality of configuration inputs; and					
8	simultaneously loading the data word into each one of the subset of configuration					
9	blocks designated by the command word.					
1	11. (Original) The method of claim 10, wherein the steps of receiving the					
	command word, receiving the data word, and loading the data word are repeated for a second					
2						
3	data word and a second command word designating a second subset of the plurality of					
4	configuration blocks.					
1	12. (Original) The method of claim 11, wherein the second subset of the					
2	plurality of configuration blocks does not intersect the first subset of the plurality of					
3	configuration blocks.					
1	13. (Original) The method of claim 10, wherein the command word					
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2	comprises a plurality of command bits, such that each command bit is associated with one of the					
3	plurality of configuration blocks.					
1	14. (Original) The method of claim 10, wherein at least one configuration					
2	block in the first subset of the plurality of configuration blocks comprises a plurality of bits equal					
3	in number to the number of configuration inputs.					

1		15.	(Original)	The method of claim 10, further comprising:		
2	loading configuration data from the plurality of configuration blocks into a					
3	memory location in a configuration memory.					
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1		16.	(Original)	The method of claim 10, further comprising:		
2	receiving a configuration mode via a configuration mode input;					
3	enabling the first subset of the plurality of configuration blocks to simultaneously					
4	load configuration data via the plurality of configuration inputs in response to a first state of the					
5	configuration mode; and					
6	loading configuration data into the plurality of configuration blocks via an					
7	alternate communication means in response to a second state of the configuration mode.					
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1		17.	(Original)	The method of claim 16, wherein the alternate		
2	communication	n mean	s is via the plur	ality of configuration inputs.		
1		18.	(Original)	The method of claim 16, wherein the alternate		
2	communication means is via the plurality of command inputs.					
1		19.	(Original)	The method of claim 16, wherein loading configuration		
2	data into the plurality of configuration blocks comprises:					
3	simultaneously loading one bit of configuration data into each of the plurality of					
4	configuration b	olocks.				
		20	(Ominimal)	The method of claim 10, further comprising:		
1		20.	(Original)			
2	testing the programmable device loaded with the configuration data.					

1	21. (Currently Amended) The method of claim 20, further comprising.						
2	repeating with a second set of configuration data the steps of receiving a second						
3	command word, receiving a second data word, loading the second data word, and testing in order						
4	to test the programmable device loaded with the second set of configuration data.						
1	22. (Currently Amended) A system having a plurality of devices, the system						
2	comprising:						
3	a programmable device including:						
4	a configuration word register comprising a plurality of configuration blocks,						
5	a plurality of configuration inputs solectively coupled with each of the plurality of						
6	configuration blocks and adapted to communicate configuration data, and						
7	a plurality of command inputs adapted to independently enable at least one of the						
8	plurality of configuration blocks, wherein the plurality of configuration blocks are adapted to						
9	simultaneously load configuration data via the plurality of configuration inputs in response to the						
10	plurality of command inputs; and						
11	an interface for connecting the programmable device with a configuration data						
12	source.						
1	23. (Original) The system of claim 21, further including:						
2	a configuration source having a set of configuration data and adapted to						
3	communicate the set of configuration data with the programmable device.						
1	24. (Original) The system of claim 23, wherein the configuration source						
2	includes a plurality of different sets of configuration data and is adapted to test the						
3	programmable device by successively communicating each of the plurality of different sets of						
4	configuration data with the programmable device.						